

(19) World Intellectual Property
Organization
International Bureau



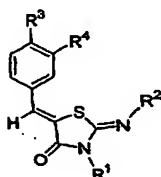
(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054215 A1

- (51) International Patent Classification⁷: **C07D 277/20**, 417/06, A61K 31/426, 31/427, A61P 37/06
- (74) Agent: **HOFMANN, Dieter**; Actelion Pharmaceuticals, Gewerbestrasse 16, CH-4123 Allschwil (CH).
- (21) International Application Number: PCT/EP2004/012953
- (22) International Filing Date: 16 November 2004 (16.11.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: PCT/EP03/13072 21 November 2003 (21.11.2003) EP
- (71) Applicant (for all designated States except US): **ACTELION PHARMACEUTICALS LTD** [CH/CH]; Gewerbestrasse 16, CH-4123 Allschwil (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BOLLI, Martin** [CH/CH]; Bachgrabenweg 21, CH-4123 Allschwil (CH). **SCHERZ, Michael** [US/CH]; Eigenweg 11, CH-4107 Ettingen (CH). **MUELLER, Claus** [DE/DE]; Wittlinger Str. 37, 79576 Weil am Rhein (DE). **MATHYS, Boris** [CH/CH]; Baumgartenstrasse 3, CH-4622 Egerkingen (CH). **BINKERT, Christoph** [CH/CH]; In den Ziegelhöfen 89, CH-4054 Basel (CH).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: 5-(BENZ- (Z) -YLIDENE) -THIAZOLIDIN-4-ONE DERIVATIVES AS IMMUNOSUPPRESSANT AGENTS



(I)

(57) Abstract: The invention relates to pharmaceutical compositions containing at least one 5- (benz- (Z) -ylidene-thiazolidin-4-one derivative (I), to prevent or treat disorders associated with an activated immune system. Furthermore, the invention relates to novel thiazolidin-4-one derivatives notably for use as pharmaceutically active compounds. Said compounds particularly act also as immunosuppressive agents.